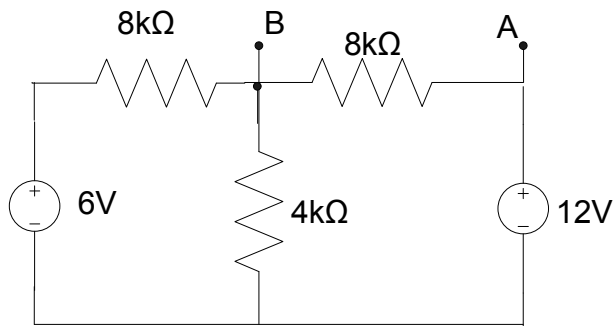


Problem Set 5 (Fall 2008)

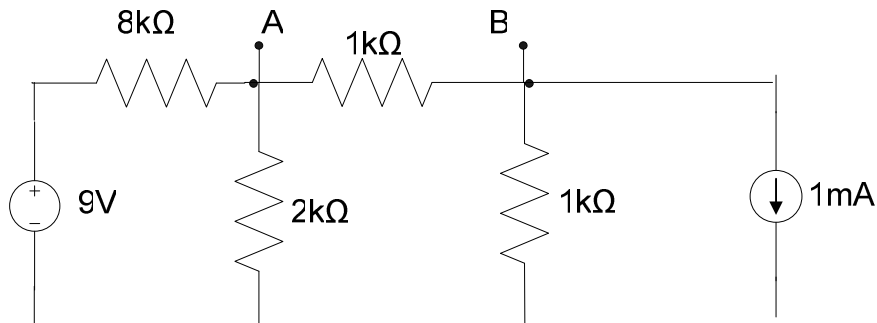
Find the Thévenin equivalent source for each of the circuits in:

(The instructions to use KVL and KCL are only to exercise those techniques; they are not the only way to solve these problems.)

5.1 Use Thévenin's theorem using KVL around 2 loops to find V_{AB} in the following network.

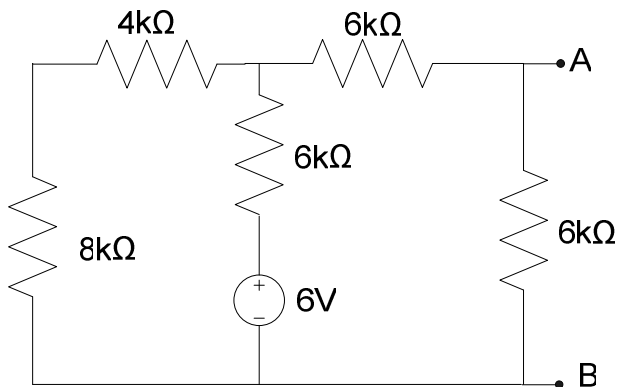


5.2 Use Thévenin's theorem using KCL at A and B to find V_{AB} in the following network.

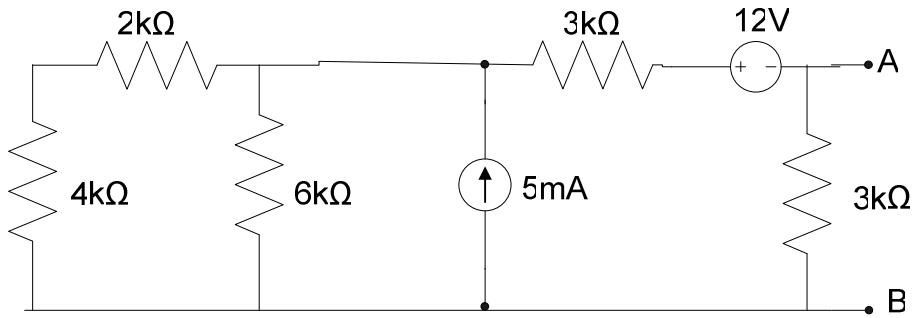


Find the Norton equivalent source for each of the circuits in:

5.3

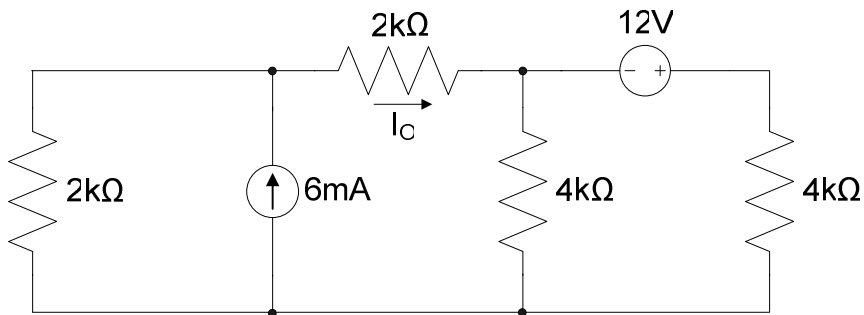


5.4



Superposition problems:

5.5 Find I_O in the following network using superposition.



5.6 Find I_O in the following network using superposition (Hint: At some point: $3k\parallel 6k$).

